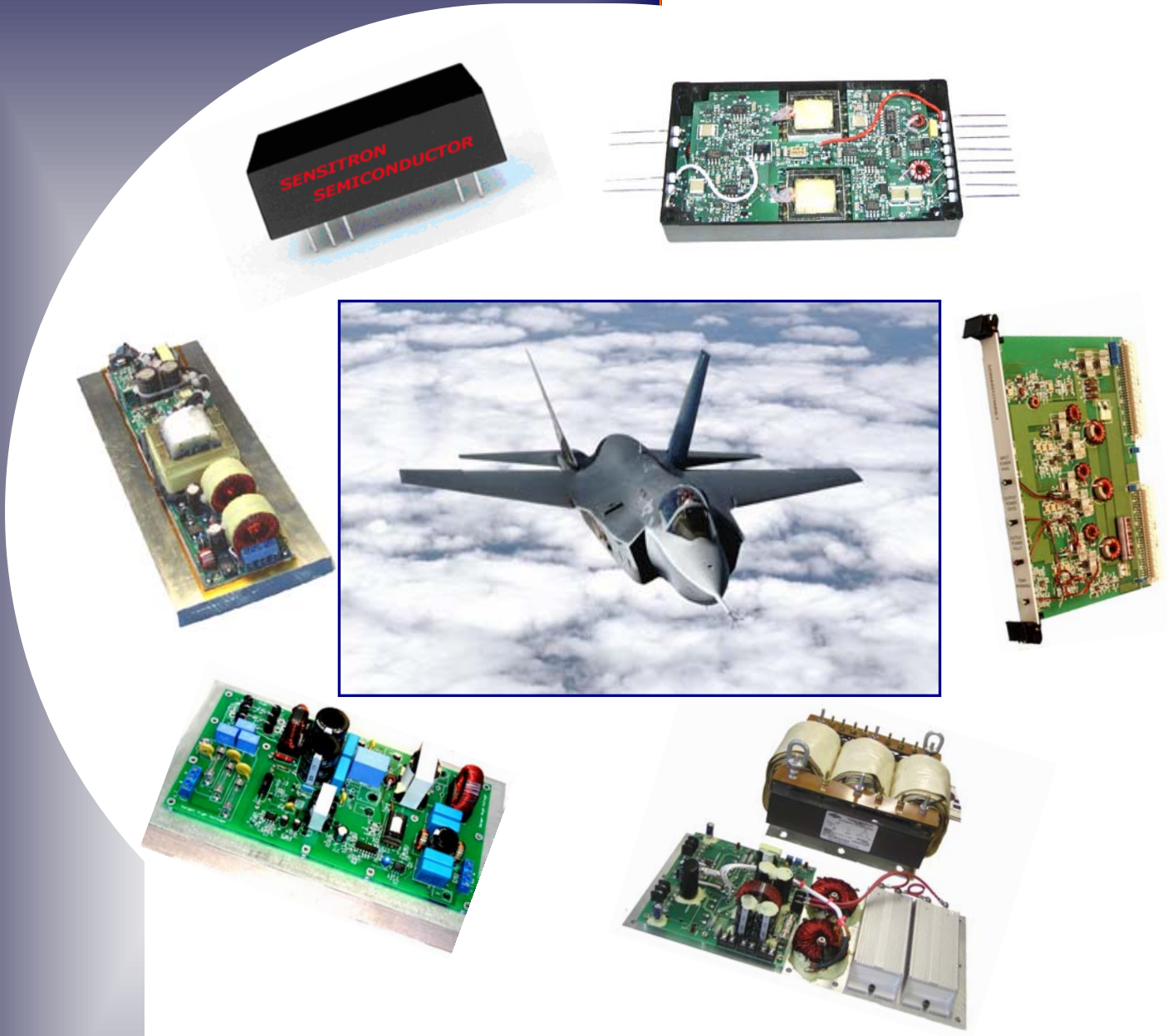


SENSITRON SEMICONDUCTOR



Custom Power Conversion Products

Sensitron · 221 West Industry Court · Deer Park, NY 11729-4681 ·
Phone (631) 586 7600 · Fax (631) 242 9798 · World Wide Web - www.sensitron.com · E-mail - sales@sensitron.com

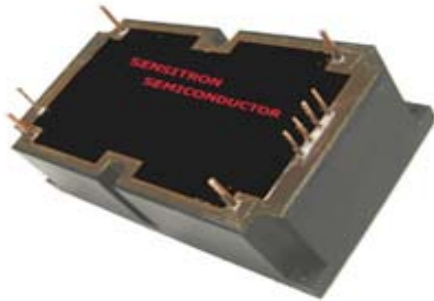
149-0207

Custom Power Conversion

Sensitron

www.sensitron.com/dcdc.htm

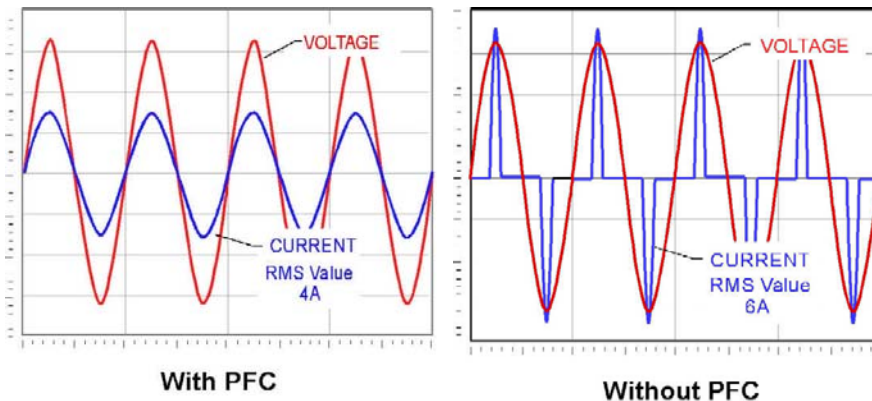
1500W Power Factor Correction Unit



Features/Benefits:

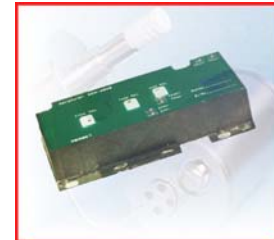
- 1500W@ 120VAC / 3000W @240VAC
- PF=0.99@ Full Load
- 120/240 VAC, 45Hz-65Hz
- High Efficiency

Used to Correct AC current wave form in switch P/S:



Also Available:

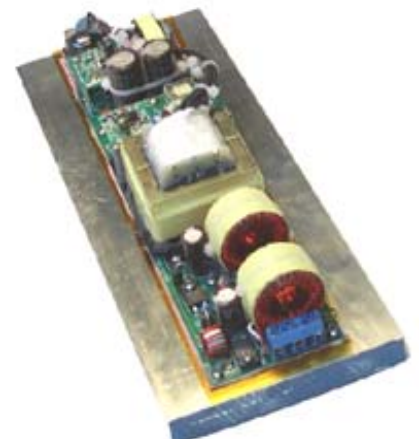
50W DC/AC Power Supply



AC/DC Power Supply

Features/Benefits:

- 480 VAC Input
- 1000 Watts Output Power
- Up to 300V-Output Voltage
- Constant Voltage or Constant Current output
- Single or Multiple Outputs
- 85°C Ambient, 100°C Plate Temperature
- Approximate size 2.5" x 11" x 1.5"
- (not including heat sink)
- Up to 90% Efficiency



Power Conversion—DC/DC Converters

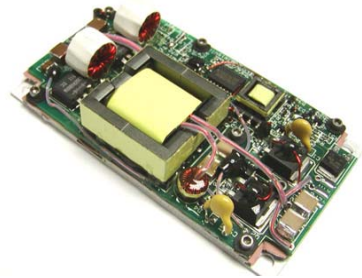
Sensitron

www.sensitron.com/dcdc.htm

405V, 200W DC/DC Converter Module

Features/Benefits:

- Open Frame Construction
- High Power Density: 3.1" x 3.0" x .7"
- 405V 200W Output Capability
- -40 °C to +85°C Operation
- 200V-300V Input Voltage Range
- High Efficiency: 88% typ

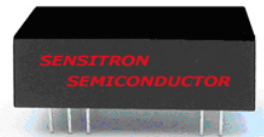


1.5W Dual Selectable DC/DC Converter

Features/Benefits:

- Wide Input Voltage Range with No De-rating
- Fully Integrated, No External Caps Needed
- 1.5W Output Power & Fully Regulated Output
- No Heat Sink
- PCB Mount
- Small Size
- 55°C to 125°C Degree Temp Range
- Customizable

Available in
28V and 270V!



50W Four Independent Output DC/DC Converter

Features/Benefits:

- Four independent outputs - 1.5, 2.5, 3.3, and 5V
- Operation from 14 to 50 Volts, 80V Surge
- Operates at - 55°C to 125°C
- No load operation
- 155°C Magnetics
- Individual Current Limit
- Primary Power Limit



Rugged VME DC/DC Converter

Features/Benefits:

- 6U VME Card Height
- Remote Sense Leads & Inrush Current Limiting
- Under and Over Voltage Detection
- Interleaved Multiphase Design with Front Panel LED Indicators
- .5Mhz to 1Mhz Ripple Frequency
- Inhibit/Enable
- Mean Time Between Failure (MTBF) : >120K hours



DC Input Voltage
MIL-STD-704D/E
Altitude
MIL-STD-202, 70,000 ft.
Vibration
MIL-STD-810D, Method 514 Random:
MIL-STD-810E, Method 514.4
Shock
MIL-STD-810D, Functional Shock.
MIL-STD-202, Method 213

*Our converters
are designed to
meet these
Hi-Reliability
Standards!*

Acceleration
MIL-STD-810D, Method 513.3
***Humidity**
MIL-STD-810D, Method 507.2
Solder Test
MIL-STD-202, Method 208
***Fungus**
MIL-STD-810C, Method 508.
***Salt Atmosphere**
MIL-STD-810C, Method 509.1

* Not available for all converters

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FEATURED PRODUCT

PROGRAMMABLE 28V DC SOLID STATE POWER CONTROLLER MODULE
Sensitron has added a 28V Programmable DC solid state power controller module to their line of solid state products. These programmable modules feature no additional heat sinking or external cooling required! [more...](#)

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TOP PICKS

- Our Product Line
- Cross Reference
- Alternate Screening Flows
- Join! My Sensitron

IN THE NEWS

December 2006- Sensitron has increased their voltage rating for the Silicon Carbide Bridges. In addition to the 600V and 1200V standard offerings, 2500V SiC Bridges have [more...](#)

November 2006- Sensitron introduces their **high voltage** Programmable Solid State Power Controller **SPDPXXD270** Series, for bus voltages up to 400Vdc and programmable [more...](#)

[2005 News Archive](#) [2006 News Archive](#)

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- Surface Mount/COB
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- High Voltage
- Power Modules
- RF Microwave
- Hybrids/Multi Chip
- Packaging

MARKETS / SOLUTIONS

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- Aerospace
- Hi-Reliability
- Industrial
- DMS/EOL
- Medical
- Transportation
- Motion Control

POWER ELECTRONICS

- 3 Phase / Motor Controllers / Drivers
- Power Conversion Products
- Power Factor Correction
- RF / Microwave Products
- Solid State Power Solutions
- Hi-Reliability Battery Charger

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- RECTIFICATION
 - Schottky Rectifiers
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 - Silicon Carbide Rectifiers
 - High Voltage / Bridges / Diode Assemblies
 - Oil Cooled / Rotating Rectifier
- PROTECTION / ISOLATION
 - TVS
 - Zeners
- SWITCHING / CONTROL
 - Discrete IGBTs / IGBT Modules
 - MOSFETs / MOSFET Modules
 - New! Rad Tolerant MOSFETs
 - Amplifiers
 - New! Rad Tolerant Voltage Regulators
 - Voltage Regulators

View! Lightning Strike Protection

Sensitron
221 West Industry Court
Deer Park, NY 11729-4681
Phone: (631) 586-7600
Fax: (631) 242-9798
sales@sensitron.com
www.sensitron.com